

Technology Focus Area 1 – Student Learning

The following tables list the 2010 - 2013 Technology Goals, Strategies, and Activities.
The Committee reviewed each strategy and activity and reported on the status.

CSIP Goal 1: Develop and enhance quality educational/instructional programs to improve performance and enable students to meet their personal, academic, and career goals.

Objective: All curriculums up for review between the school years beginning 2010 and ending 2013 will include technology integration.

Strategy 1: Through the curriculum revision process, each curriculum will embed at least one activity that incorporates technology skills.

(CSIP 1,) (MSIP 6.1, 6.2, 6.3, 6.4, 6.8, 7.1, 7.2, 7.3) (METSP S1, S2)

Progress Measures: Curriculum Reviews

Action Step / Activity	Time Line	Responsible Person	Additional Resource/Costs	Funding Source
Curriculum project teams will embed learning activities that incorporate technology skills that are aligned with adopted standards.	2010-2013	Educational Technology Specialist (ETS) working in conjunction with content leaders and curriculum project teams.	NONE	N/A
Provide teachers an opportunity to submit technology based learning activities that could be integrated into the curriculum.	2010-2013	ETS working in collaboration with teachers and content leaders.	NONE	N/A
Student performance on assessment items that were instructed by using technology related activities can be analyzed by teams of teachers.	2010-2013	Teachers, ETS and content leaders	NONE	N/A
Stipend T3 (instructional technology program) graduates to review curriculum to include technology.	2010-2013	Director of Student Learning	\$7500 annually (50 curricula at \$150 per)	District funds

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Objective: All curriculums up for review between the school years beginning 2010 and ending 2013 will include technology integration.

Strategy 2: Integrate the Information, Communications Technology and Media Literacy grade level expectations into K-12 curriculum.

(CSIP 1,) (MSIP 6.1, 6.2, 6.3, 6.4, 6.8, 7.1, 7.2, 7.3) (METSP S1, S2)

Progress Measures: Curriculum Reviews

Action Step / Activity	Time Line	Responsible Person	Additional Resource/Costs	Funding Source
Identify where these GLEs can be implemented into curricula in grades K-12 and decide if there are other skills (such as social networking) not listed in the GLEs that need to be added.	2010-2011	ETS, content leaders and teachers	N/A	NONE
Develop a K-12 scope and sequence for the teaching and learning of technology skills that can be integrated into curriculum and aligned with adopted standards.	2010-2011	ETS, content leaders and teachers	N/A	NONE
Explore possible ways to integrate technology into MS academic program.	Fall 2010	CAO, Director of Student Learning, MS Admin, CHRO	N/A	NONE
Develop and implement an on-line internet safety curriculum.	2010-2011	CIO, CAO, Director of Student Learning	TBD	District
Increase the proficiency level of 8 th grade students as measured by the 8 th grade technology assessment each year.	Spring 2011	Director of Student Learning, MS Admin	N/A	NONE

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Objective: All curriculums up for review between the school years beginning 2010 and ending 2013 will include technology integration.

Strategy 3: Expand the use of technology resources to improve student achievement.

(CSIP 1,) (MSIP 6.1, 6.2, 6.3, 6.4, 6.8, 7.1, 7.2, 7.3) (METSP S1, S2)

Progress Measures: Curriculum Reviews

Action Step / Activity	Time Line	Responsible Person	Additional Resource/Costs	Funding Source
Expand the use of the A+ software online learning system for MS and HS.	Fall 2010	CIO, CAO, HS Admin and teachers	\$25k for FHN and FHC annually	2010 -ARRA funds 2011 – District funds 2012 – District funds
Utilize Study Island at all grade levels for RTI methods.	2010-2013	Admin and teachers	\$80K annually for district-wide	District funds
Implement Classroom Sound Systems for all K-3 classrooms	Summer 2010	CIO, CAO, Technology Staff	\$400K one time purchase	2010 -ARRA funds
Implement PLTW at the HS level to increase opportunities in METS subjects	2010-2013	CIO, CAO, Director of Student Learning	2010- \$100K 2011- \$48K 2012- \$78K	50% PLTW grant 50% District
Pilot Engineering By Design (EBD) at the MS level to increase opportunities in METS subjects	2011	CIO, CAO, Director of Student Learning	TBD	District Funds
Provide the use of technology to strengthen student understanding at the MS level for science curriculum	2010	Director of Student Learning	\$12K	District Funds

Technology Focus Area 2 – Teacher Preparation

The following tables list the 2010 - 2013 Technology Goals, Strategies, and Activities.

The Committee reviewed each strategy and activity and reported on the status.

CSIP Goal 2: Recruit, attract, develop, and retain highly qualified staff to carry out the LEA (local educational agency)/District mission, goals, and objectives.

Objective: The Francis Howell School District will utilize data to develop comprehensive professional development aligned to the teacher NETS that enhances their ability to use technology as a teaching tool.

Strategy 1: Develop a current reality of teacher competencies as they relate to the NETS.

(CSIP 1, 4, 5) (MSIP 6.4, 6.7) (METSP T1)

Progress Measures: A professional development plan driven by the assessment data (NETS).

Action Step/ Activity	Time Line	Responsible Person	Additional Resource/Costs	Funding Source
Adopt/Adapt as appropriate technology standards for teachers (NETS).	Dec 2010	CIO, Technology Committee	NONE	N/A
Educate staff on the adopted standards	2011-2012	ETS via podcasts	NONE	N/A
Assess teachers on technology standards (i.e. NETS) to determine future direction of teacher technology preparation.	2012-2013	Technology Committee	NONE	N/A

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Objective: The Francis Howell School District will utilize data to develop comprehensive professional development aligned to the teacher NETS that enhances their ability to use technology as a teaching tool.

Strategy 2: Use the results of assessments to develop a systematic technology professional development plan throughout the district.

(CSIP 1, 2, 3, 4, 5, 6) (MSIP 6.1, 6.3) (METSP T1)

Progress Measures: A professional development plan driven by the assessment data (NETS).

Action Step/ Activity	Time Line	Responsible Person	Additional Resource/Costs	Funding Source
Analyze data from existing district survey	Mar 2010	CIO and District Technology Committee, ETS	NONE	N/A
Develop technology professional development plan	Mar 2011	CIO, District Technology Committee and Director of Adult Learning, ETS	TBD	N/A
Embed technology professional development plan into the current district professional development plan	Mar 2011	CIO and Director of Adult Learning	TBD	N/A
Implement professional development	2011-2012 2012-2013	Director of Adult Learning, ETS, CIO	TBD	N/A
Administer post assessment	Spring 2013	ETS and CIO	NONE	N/A
Evaluate professional development plan	July 2013	Director of Adult Learning, ETS and CIO	NONE	N/A

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Objective: The Francis Howell School District will utilize data to develop comprehensive professional development aligned to the teacher NETS that enhances their ability to use technology as a teaching tool.

Strategy 3: Teachers throughout the district will increase the number of lessons that integrate technology
(CSIP 1, 2, 3, 4, 5, 6) (MSIP 6.1, 6.3) (METSP T1)

Progress Measures: A professional development plan driven by the assessment data (NETS).

Action Step/ Activity	Time Line	Responsible Person	Additional Resource/Costs	Funding Source
Provide Professional Development on how to use and access information from the FHSD Intranet	July, Oct of each year	ITS, ETS	\$18K annually	District
Provide Professional Development on how to effectively use and implement technology in the classroom	2010-2013 (Through T3 on-going)	ETS	Part of current staffing and supplies	District
Ensure new curriculum materials are embedded with interactive technology lessons	2010-2013 On-going as curric is revised or developed	Content Leaders, writers, Director of Student Learning	\$10K annually	District
Lesson sharing component will be added to annual Technology Festival.	Oct 2010 Oct 2011 Oct 2012	ETS	\$2K annually	District

Technology Focus Area 2 – Teacher Preparation

The following tables list the 2010 - 2013 Technology Goals, Strategies, and Activities.

The Committee reviewed each strategy and activity and reported on the status.

CSIP Goal 2: Recruit, attract, develop, and retain highly qualified staff to carry out the LEA (local educational agency)/District mission, goals, and objectives.

Objective: The Francis Howell School District will utilize data to develop comprehensive professional development aligned to the teacher NETS that enhances their ability to use technology as a teaching tool.

Strategy 4: The district will provide professional development for administrators, teachers and support staff that result in technology proficiency

(CSIP 1, 2, 3, 4, 5, 6) (MSIP 6.1, 6.3) (METSP T1)

Progress Measures: A professional development plan driven by the assessment data (NETS).

Action Step/ Activity	Time Line	Responsible Person	Additional Resource/Costs	Funding Source
Investigate an online learning system to provide online professional development	Sept 2010	CIO, Director of Adult Learning	\$25K	District
Assess administrators and their level of technology proficiency	Jan 2011	CIO, Director of Adult Learning	NONE	N/A
District will conduct quarterly technology trainings based on data from the existing district survey	2010-2013	ITS, ETS and technology staff	\$8K annually	District
Develop a mentoring program where past T3 teachers mentor new T3 teachers	Sept 2011	Director of Adult Learning and ETS	TBD	District or DPDC funds
Provide Building Principals training at monthly principal meeting on data analyzing using new reporting tool	Quarterly on going	Director of Accountability and Assessment, Director of Student learning	NONE	N/A

Technology Focus Area 3 – Administration, Data Management, Communication Process

The following tables list the 2007- 2010 Technology Goals, Strategies, and Activities.

The Committee reviewed each strategy and activity and reported on the status.

CSIP Goal 5: Govern the LEA/District in an efficient and effective manner providing leadership and representation to benefit the students, staff and patrons of the District.

Objective: The District will work to establish appropriate policies and procedures for use of technology tools for electronic communication and data security by June 30, 2011.

Strategy 1: Develop polices to establish practice and procedures for using technology safely and effective to support instruction and communication. (CSIP 1, 2, 3, 4, 5, 6) (MSIP 6.4, 7.5) (METSP A1)

Progress Measures: New/updated technology policies and procedures

Action Step/ Activity	Time Line	Responsible Person	Additional Resource/Costs	Funding Source
To establish a district policy relating to information security and the best practices of data handling.	July 2010	CIO, Policy Committee	NONE	N/A
Review and update the current internet usage policy/regulation 6320 to include current language which covers issues related to technology over the next 3 years	May 2010	CIO, Policy Committee	NONE	N/A
Develop a policy to govern electronic communication between staff, students and community.	June 2010	CIO, Teachers Leadership, Academics, Policy Committee	NONE	N/A

Technology Focus Area 3 – Administration, Data Management, Communication Process

The following tables list the 2010 - 2013 Technology Goals, Strategies, and Activities.

The Committee reviewed each strategy and activity and reported on the status.

CSIP Goal 4: Promote, facilitate and enhance parent, student and community involvement in LEA/District educational programs.

Objective: The District will work to establish appropriate policies and procedures for use of technology tools for electronic communication and data security by June 30, 2011.

Strategy 2: To identify standards of hardware and software and other technology resources utilized by teachers, staff and students to support the instruction.

(CSIP 1, 2, 3, 4, 5, 6) (MSIP 6.2, 7.5) (METSP S1 T1 A2)

Progress Measures: New/updated technology policies and procedures

Action Step/ Activity	Time Line	Responsible Person	Additional Resource/Costs	Funding Source
Develop software standards for the district desktop, laptop and server platforms	July 2010	CIO, Sr. IT manager	NONE	N/A
Develop policies regarding standardization of datacenter backup hardware and software	Sep 2010	CIO, Sr. Network Engineer	NONE	N/A
Develop a list of technology resources and programs utilized in each grade or class level to allow for parents and students to better prepare for and during the school year	2010-2013	Sr. IT Manager, building technicians and Communication Specialists	NONE	N/A
To investigate a standard form of communication and a collaborative platform to report district committee activities to better inform the community	2011	CIO, Communication Specialists	NONE	N/A

Technology Focus Area 3 – Administration, Data Management, Communication Process

The following tables list the 2010 - 2013 Technology Goals, Strategies, and Activities.

The Committee reviewed each strategy and activity and reported on the status.

CSIP Goal 4: Promote, facilitate and enhance parent, student and community involvement in LEA/District educational programs.

Objective: To increase stakeholder communication and access to District information using technology.

Strategy 3: To continue to leverage the web resources to establish better communication and interaction between teachers, staff, parents and students. (CSIP 1, 2, 3, 4, 5, 6) (MSIP 7.5) (METSP A2)

Progress Measures: A professional development plan driven by the assessment data (NETS).

Action Step/ Activity	Time Line	Responsible Person	Additional Resource/Costs	Funding Source
Investigate the use of social media networking tools (Facebook and Twitter) to enhance and increase parent, staff and student's interaction with the district.	2010-2013	Communication Specialist, Building Administration	\$5K	District
To enhance the ability for parents to access student information on the web resources and increase awareness of web resources available to parents	2010-2011	CIO, System Admin, Communication Specialist	TBD	TBD
Establish district approved web sites for collaboration, research, blogging and instruction and parent communication	2010-2013	CIO, CAO, Director of Student Learning, ETS	NONE	N/A
The District will implement a comprehensive data warehouse and reporting tool for analyzing student and operation data.	2010-2013	CIO, Director of Accountability	NONE (Part of new SIS)	N/A
The District will create data dashboards for internal and external audiences identifying key performance indicators	2010-2013	CIO, Director of Accountability	NONE (Part of new SIS)	N/A

Technology Focus Area 3 – Administration, Data Management, Communication Process

The following tables list the 2010 - 2013 Technology Goals, Strategies, and Activities.

The Committee reviewed each strategy and activity and reported on the status.

CSIP Goal 3: Provide and maintain appropriate instructional resources, support services, and functional and safe facilities

Objective: To establish both short and long term financial plans identifying the necessary resources to fund Technology Strategies for the District

Strategy 4: Maintain a dedicated and sufficient budget for all aspects of technology.

(CSIP 1, 2, 3, 4, 5, 6) (MSIP 6.2, 7.5) (METSP A1, A2)

Progress Measures: A review of the Annual technology budget.

Action Step/ Activity	Time Line	Responsible Person	Additional Resource/Costs	Funding Source
Create a technology fund with dedicated resources	June 2010	Dir. of Finance/CFO	NONE	N/A
Meet with building technology teams, administration and technology committee to determine building needs	2010-2013	CIO	NONE	N/A
The annual technology budget will reflect line items that cover the maintenance and support costs (TCO) of technology assets.	Jan of each year	CIO, Director of Finance, CFO	NONE	N/A
Apply for funding through the Universal Service Fund (eRate) each year to obtain and support technology resources.	Feb of each year	CIO, Sr. Network Engineer	NONE	N/A
Continue to seek supplemental funding through available federal, state, local and business grants.	2010-2013	Sr. Network Engineer, Business Teachers, Executive Cabinet	NONE	N/A
District will utilize leasing programs for technology assets with a life cycle of 3-5 years	2010-2013	CIO, CFO	NONE	N/A

Technology Focus Area 4 – Resource Distribution and Use

The following tables list the 2010 - 2013 Technology Goals, Strategies, and Activities.

The Committee reviewed each strategy and activity and reported on the status.

CSIP Goal 3: Provide and maintain appropriate instructional resources, support services, and functional and safe facilities.

Objective: To provide adequate equipment, connectivity and instructional resources to all educators and students.

Strategy 1: Identify and establish essential hardware, software, infrastructure, and connectivity to support high quality instruction

(CSIP 1, 2, 3, 4, 5, 6) (MSIP 6.4) (METSP R1)

Progress Measures: Data collected and compiled for the Census of Technology.

Action Step/ Activity	Time Line	Responsible Person	Additional Resource/Costs	Funding Source
Continue to analyze internet connection bandwidth and infrastructure requirements annually and update as required (servers, switches, wireless equipment, security, Internet content filtering, and other system software and resources).	Ongoing	Sr. Network Engineer, Senior Network Technician	Time/Labor	District
Define minimum technology model for classrooms and specialty areas	2011	Technology Task Force	NONE	N/A
Conduct a printer versus copier utilization analysis	Fall 2010	CIO, Building Admin	NONE	N/A
Provide copiers in each building that can be accessed through the data network for printing and supplement with network printers as needed to maintain sufficient printing capacity.	2010-2013	Director of Finance	TBD	District lease

Technology Focus Area 4 – Resource Distribution and Use

The following tables list the 2010 - 2013 Technology Goals, Strategies, and Activities.

The Committee reviewed each strategy and activity and reported on the status.

CSIP Goal 3: Provide and maintain appropriate instructional resources, support services, and functional and safe facilities.

Objective: To ensure the District provides the technology tools and resources needed to implement quality instruction to all educators and students.

Strategy 2: Up-to-date technology tools will be available to support student learning opportunities.

(CSIP 1, 2, 3, 4, 5, 6) (MSIP 6.4, 8.1, 8.2) (METSP R1)

Progress Measures: A review of technology resources inventory by building.

Action Step/ Activity	Time Line	Responsible Person	Additional Resource/Costs	Funding Source
Conduct a needs assessment for virtual learning opportunities	Nov 2010	CAO , Director of Student Learning	NONE	N/A
To improve the student-to-computer ratio for the district through the use of desktop virtualization, extension technologies (nComputing and VMware) and lease buy-back of teacher laptops at the conclusion of the lease period.	2010-2013	CIO, technology staff	2010-\$70K 2011-\$25K 2012-\$25K	District
Provide a ceiling mounted projector to all classrooms in the District	2010-2013	CIO, technology staff, Director of Student Learning	\$130K per year	N/A
Provide wireless access to all buildings	2010-2013	CIO, technology staff, Director of Student Learning	\$100K per year	N/A
Increase the number of network connections in the district to support increased number of computers	2010-2013	Sr. IT Manager, Sr. Network Engineer	TBD	District labor, District for material costs
Pilot the use of “ebooks” in one classroom per level	2011	Director of Student Learning	\$18K	District

Technology Focus Area 4 – Resource Distribution and Use

The following tables list the 2010 - 2013 Technology Goals, Strategies, and Activities.

The Committee reviewed each strategy and activity and reported on the status.

CSIP Goal 3: Provide and maintain appropriate instructional resources, support services, and functional and safe facilities.

Objective: To ensure the District provides the technology tools and resources needed to implement quality instruction to all educators and students.

Strategy 3: Provide technology tools necessary to collect, analyze, and report student progress, information and data.

(CSIP 1, 2, 3, 4, 5, 6) (MSIP 6.4, 8.1, 8.2) (METSP R1)

Progress Measures: A review of technology resources inventory by building.

Action Step/ Activity	Time Line	Responsible Person	Additional Resource/Costs	Funding Source
Identify effective web-based programs (Study Island, Mastery Manager, etc.)	2010-2013	CIO, Director of Student Learning	NONE	N/A
Identify effective software tools (grading, Microsoft Office versions, etc.)	2010-2013	CIO, Director of Student Learning	NONE	N/A
Identify and evaluate the capability of integration of District data management systems (School Information Systems, Nurse, IEP, etc.)	2011-2013	CIO, IS manager, System Admin	TBD	TBD
The District Technology Committee will review current technology trends for K-12 for effective tools	2010-2013	CIO, committee members	NONE	N/A

Technology Focus Area 4 – Resource Distribution and Use

The following tables list the 2010 - 2013 Technology Goals, Strategies, and Activities.

The Committee reviewed each Strategy and activity and reported on the status.

CSIP Goal 3: Provide and maintain appropriate instructional resources, support services, and functional and safe facilities.

Objective: To ensure the District provides the technology tools and resources needed to implement quality instruction to all educators and students.

Strategy 4: Develop a technology plan which will ensure district-wide standards including replacement cycle of classroom technologies and infrastructure equipment.

(CSIP 1, 2, 3, 4, 5, 6) (MSIP 6.4, 8.1, 8.2) (METSP R1)

Progress Measures: A review of technology resources inventory by building.

Strategy Action Step/ Activity	Time Line	Responsible Person	Additional Resource/Costs	Funding Source
Develop a lease program for replacing end of life infrastructure equipment	July 2010	CIO, Sr. IT Manager	NONE	N/A
Maintain a four-year computer replacement cycle that ensures systematic and timely deployment of the new computers as well as the relocation of the replaced computers in classrooms for student use	2010-2013	CIO, Sr. IT Manager, building technicians	2010 - \$273K 2011 - \$333K 2012 - \$393K	District, Business Grant, PTO

Technology Focus Area 5 – Technical Support

The following tables list the 2010 - 2013 Technology Goals, Strategies, and Activities.

The Committee reviewed each strategy and activity and reported on the status.

CSIP Goal 3: Provide and maintain appropriate instructional resources, support services, and functional and safe facilities.

Objective: Provide resources to support the District in using technologies to enhance and engage students.

Strategy 1: The District will identify and provide the necessary technical support resources to ensure high levels of service.

(CSIP 1, 2, 3, 4, 5, 6) (MSIP 6.4, 8.1, 8.2) (METSP TS1)

Progress Measures: Analysis of Annual Technology survey regarding support and service.

Action Step/ Activity	Time Line	Responsible Person	Additional Resource/Costs	Funding Source
Provide professional development for technicians to increase skill level and reduce time to resolve support issues	2010-2013	Sr. IT Manager, building technicians	\$5K annually	District
Improve tech support ratio to match state recommendations for Instructional Technology integration through the use of technology interns	2010-2013	CIO, Sr. IT Manager	NONE	N/A

Technology Focus Area 5 – Technical Support

The following tables list the 2010 - 2013 Technology Goals, Strategies, and Activities.
The Committee reviewed each strategy and activity and reported on the status.

CSIP Goal 3: Provide and maintain appropriate instructional resources, support services, and functional and safe facilities.

Objective: Provide resources to support the District in using technologies to enhance and engage students.

Strategy 2: The District will expand the instructional technology support resources to ensure high levels of integration.
(CSIP 1, 2, 3, 4, 5, 6) (MSIP 6.4, 8.1, 8.2) (METSP TS1)

Progress Measures: Analysis of Annual Technology survey regarding support and service.

Action Step/ Activity	Time Line	Responsible Person	Additional Resource/Costs	Funding Source
Maintain current levels of certified support (ITS) for teachers in the classroom	2010-2013	CIO, HR	\$45K annually	District
Increase the number of teachers sent to the METC and other instructional technology conferences.	2011-2013	CIO, Building Admin	\$1000 per year additional	District and CSD credits
Increase the resources available to the District instructional technology professional development program by adding an additional certified trainer	2010-2011	CIO, CHRO	\$60K per year	ARRA funds

Technology Focus Area 5 – Technical Support

The following tables list the 2010 - 2013 Technology Goals, Strategies, and Activities.

The Committee reviewed each strategy and activity and reported on the status.

CSIP Goal 3: Provide and maintain appropriate instructional resources, support services, and functional and safe facilities.

Objective: Provide resources to support the District in using technologies to enhance and engage students..

Strategy 3: Develop and utilize vendor relationships to support District technologies.

(CSIP 1, 2, 3, 4, 5, 6) (MSIP 8.1, 8.2) (METSP TS1)

Progress Measures: Analysis of Annual Technology survey regarding support and service.

Action Step/ Activity	Time Line	Responsible Person	Additional Resource/Costs	Funding Source
Decrease dependency on local/desktop printers by implementing a printer managed solution through vendor support	2010-2013	CIO, Sr. IT manager, Building Admin	\$25K annually	District, PTO
Move in house applications to cloud computing platform to reduce in house expertise and support for non-instructional technology resources	2010-2013	CIO, Tech management team	TBD	District
Develop a searchable knowledgebase integrated with work order system for staff use	Sep 2010	Sr. IT Manager, building technicians	NONE	N/A